Philips
plasma monitor

42"
XGA

BDH4251V

High Resolution Public Display

42" Wide XGA Plasma Monitor

State of the art, cost effective plasma monitor designed for indoor public display applications. The high class deinterlacer, advanced digital video processing and the latest plasma technology guarantee optimal display of your message.

Optimized for public viewing
- HDMI input for full digital HD connection in one cable
- High brightness (1500 cd/m²) & contrast (15000:1)
- Motion Adaptive De-interlacing for razor sharp images

Operational flexibility for different applications
- Monitor is network controllable for remote management
- VGA loop through to daisy chain other monitors
- Hidden and lockable control buttons

Lower total cost of ownership
- Advanced anti burn-in functions to prevent ghost images
- Long expected panel lifetime of over 60.000 hours

Sustainable and safe
- Complies with RoHS standards to care for the environment
- Lead-free design safeguards our environment

PHILIPS
sense and simplicity

Plasma monitor
42" XGA

BDH4251V/00

Specifications

Picture/Display
- Display screen type: XGA Plasma panel
- Aspect ratio: 16:9
- Diagonal screen size: 42 inch / 107 cm
- Panel resolution: 1024 x 768
- Brightness: 1500 cd/m²
- Contrast ratio (typical): 15000:1
- Display colours: 1.07 Billion colours
- Viewing Angle (H / V): >160 / >160 degree
- Vertical Scanning Frequency: 50 - 85 Hz
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, 3D MA deinterlacing, Picture by Picture, Picture in Picture, Progressive Scan, Automatic skin tone correction, Colour Enhancement, Noise Reduction

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 72, 75Hz
800 x 600	60, 72, 75Hz
1024 x 768	60Hz
720 x 400	70Hz

- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576p	50Hz
576i	50Hz
720p	50, 60Hz
1080i	50, 60Hz

Connectivity
- PC: RS232 D-Sub9, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- Audio input for PC: Audio Left/Right (RCA 2x)
- AV input: Component (YPbPr) x1, Audio (L/R) for YPbPr x1, Composite (CVBS) x1, Audio (L/R) x1, S-video x1, Scart 2x, HDMI x1
- AV output: Composite (CVBS) x1, Audio (L/R) x1
- Audio output: Audio L/R x1, External loudspeaker connector
- Other connections: S/PDIF out (coaxial)

Convenience
- Convenience Enhancements: On-screen Display
- Network controllable: RS232
- Screen saving functions: Pixel shift, Image reverse, low bright
- Placement supported: Portrait, Landscape
- Regulatory Approvals: CE Mark, RoHS
- Screen Format Adjustments: 4:3, Subtitle Zoom, Superwide, Widescreen, Zoom 14:9, Zoom 16:9

Power
- Consumption: 320 Watts (typical)
- Power supply: 100-240VAC, 50/60Hz
- Standby power consumption: <1W

Dimensions
- Set dimensions (W x H x D): 1039 x 628 x 88 mm
- Set dimensions in inch (W x H x D): 49.9 x 24.72 x 3.46 inch
- Set dimensions with stand (H x D): 716 x 280 mm
- Set dimensions with stand in inch (H x D): 28.19 x 11.02 inch
- Box dimensions (W x H x D): 1260 x 790 x 330 mm
- Box dimensions in inch (W x H x D): 49.6 x 31.1 x 13.0 inch
- Product weight: 30.4 kg
- Product weight (lb): 67.02
- Weight incl. Packaging: 37.85 kg
- Weight incl. Packaging (lb): 83.44
- Lifetime to 50% brightness: 60000 hr

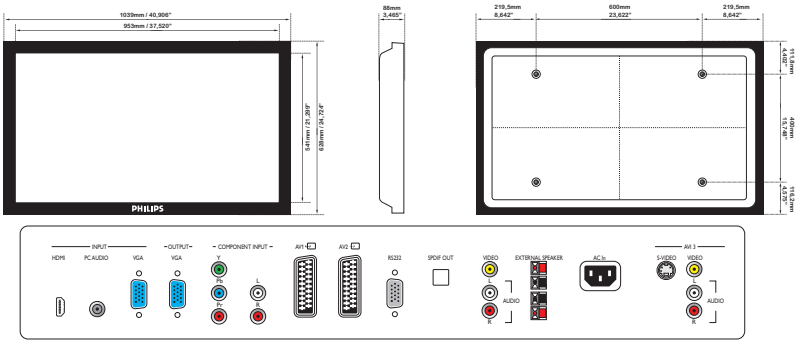
Accessories
- Included Accessories: Table top stand, VGA cable, Remote Control, AC Power Cord, Batteries for remote control, User manual on CD-ROM
- Optional accessories: Ceiling mount BM04111&BM01111, Fixed wall mount BM02111, Flex wall mount BM04111&BM02212

Miscellaneous
- Bezel: Metallic Anthracite

Sound
- Output power (RMS): 2X10W
- Sound System: Mono, Stereo

Technical specifications
- Operating temperature range: 0-40 °C
- Relative humidity range: 20% - 80%

Tuner/Reception/Transmission
- Video Playback: NTSC, PAL, SECAM



Product highlights

HDMI input
HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analogue signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

High brightness & contrast
High brightness and contrast values are extremely beneficial in public environments where lighting conditions are variable and often beyond control.

Motion adaptive de-interlacing
This smart de-interlacing algorithm is able to detect the type of video source (such as Still Picture, Motion Picture or Film) and automatically optimize the de-interlacing process with Spatial, Temporal or Film mode de-interlacing. The result is that it delivers razor sharp and stable images every time.

Network controllability: RS232
Network controllability allows user to control and adjust monitors remotely through RS232 protocol.

VGA loop through
In case more than one screen need to share the same input signal, VGA loop through offers a cost effective solution in which the VGA input signal is amplified and made available on a VGA output connector which can be connected to the next monitor

Hidden and control buttons
The local control buttons of the display are placed in such a way that they are less visible for immediate access. Furthermore the remote control sensor as well as the local control buttons can be disabled via RS232 to prevent unauthorised control of the display when placed in a public space.

Long expected panel lifetime
In public display applications 24/7 operation is often required. Even after 60000 hours of operation the brightness level of the display will be at least 50% of the initial value.

Compliant with RoHS standards
Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

Lead-free
Lead-free display products are designed and produced in compliance with strict European Community Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

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